

MEMORANDUM

30 July 1999

TO: Lompoc Interagency Work Group Members (See Attached Distribution List)

SUBJECT: MEETING SUMMARY - JULY 8, 1999

Members present: Advocates for a Clean Environment - Lauren Sullivan; Air Resources Board - Lynn Baker; City of Lompoc - Dick DeWees, Stacy Lawson; Department of Health Services - Sharon Seidel; Department of Pesticide Regulation - Doug Okumura, John Ross, Jay Schreider, Randy Segawa; Lompoc Growers - Richard Quandt; Lompoc Residents - Dave Pierce; Office of Environmental Health Hazard Assessment - Richard Ames, Michael DiBartolomeis, Joy Wisniewski; Santa Barbara County Agricultural Commissioner's Office - Joe Karl; Santa Barbara County Air Pollution Control District - Duane Sikorski; Senator O'Connell's Office - Carla Frisk; U.S. Environmental Protection Agency (EPA), Headquarters - Jake Mackenzie (Facilitator, Lompoc Interagency Work Group); U.S. EPA, Region IX - Ray Chavira, Karen Heisler; Volunteers for a Healthy Valley - George Rauh.

Members absent: Assembly Member Maldonado's Office - Melanie Bedwell; Celite Corporation - Chris Pauley; Department of Health Services - Christine Arnesen, Martha Harnly, Rick Kreutzer; Department of Pesticide Regulation - Madeline Brattesani, Paul Gosselin; Lompoc Residents - Joyce Howerton; Office of Environmental Health Hazard Assessment - Anna Fan; Santa Barbara County Health Care Services - Elliott Schulman; Santa Barbara County Supervisor Gray's Office - Susan Warnstrom; Santa Barbara County Supervisor Marshall's Office - John Buttny; UC Extension Agricultural Engineer - Bill Steinke; Volunteer - Robert Holtzer.

TOPIC #1: Introductions The Lompoc Interagency Work Group (LIWG) members and others present introduced themselves. Since several members had to leave the conference call early, we dispensed with the normal review of the minutes and agenda.

TOPIC #2: Report on the status of the recommendations on Key Issue #2 [Key Issue #2: Are Lompoc residents exposed to pesticides in air? If so, which pesticides, and in what amounts? Do those levels exceed human health standards?]

Status of Fumigant Laboratories

Main Points: Randy Segawa described the current quantitation limits estimated for the Department of Health Services (DHS) lab and the LIWG's target quantitation limits. For methyl bromide DHS' estimated quantitation limit is 18 micrograms per cubic meter, LIWG target 0.5 - 5; for chloropicrin DHS 0.2, LIWG target 0.6 - 6; for 1,3-dichloropropene (telone) DHS is not sure, currently determining; for methyl isothiocyanate (MITC) DHS 0.5, LIWG target 0.1 - 1.

The LIWG target levels are based on Sharon Seidel's estimate of the lowest possible concentration

needed to determine potential health effects. Sharon pointed out that the LIWG target levels assume a chronic exposure. For fumigants, there are so few applications that there are no chronic exposures. Therefore, we can revise the target level based on sub chronic exposure. In this case the target level for methyl bromide is 90 micrograms per cubic meter, and telone is 9.

Discussion/Decisions: Ray Chavira pointed out that the DHS methods use sorbent tubes. DHS is also trying to develop methods for methyl bromide and telone using canisters. The canister method offers several advantages over sorbent tubes. There is a validated EPA method available, the EPA method has lower detection limits, and it provides confirmation. However, DHS has only 12 canisters. We need at least 30 in order to use canisters as the primary method. EPA has 20 canisters, but they are a different type and we should use all of one type. We would also need additional flow regulators. George Rauh was not satisfied with the detection limits. He is concerned about exposure to multiple chemicals. The target detection limits only apply to individual chemicals. Doug Okumura pointed out that we could miss the fall season if DHS does not do the analysis. There is insufficient time to find another lab and develop methods. Richard Quandt suggested monitoring for fumigants outside of Lompoc where they are used more frequently. Karen Heisler said that EPA would require at least some canisters be included in the monitoring in order to approve funding. It is possible to purchase the canisters we need. However, the canisters have only been validated for methyl bromide and telone. There have been very few applications of methyl bromide or telone applications over the last few years. We may purchase the canisters and never use them for Lompoc.

Randy proposed the following plan. DHS will continue to develop both sorbent tube and canister methods. If we can obtain enough canisters we will use them as the primary method. If we cannot obtain enough canisters we will use sorbent tubes as the primary method, and collect some canister samples in order to make a comparison. This plan was approved by the LIWG.

Next steps: Randy will send lab status reports to the LIWG.

Phase 2 Analytes

Main Points: Randy asked the group for their thoughts on monitoring non-agricultural pesticides. There are several pesticides that may have significant use on structures, rights-of-way, landscape maintenance, etc. that we have not evaluated. One pesticide that may have high use is sulfuryl fluoride (Vikane). This is a fumigant that is used only for structures. High use for this chemical should be in the spring and summer, so no monitoring decision is needed immediately. Joe Karl pointed out that chlorine may have significant uses. Duane Sikorski will check to see if he can obtain information for the water treatment plant.

Discussion/Decisions: There was much pro and con discussion. The LIWG expressed the need to obtain toxicology values and Lompoc-specific use information for sulfuryl fluoride to assist in considering this for monitoring during phase 2.

Next steps: TAG will try to gather additional information on non-ag pesticide use, previous monitoring,

cost, and toxicity and report back to the LIWG.

TOPIC #3: Next meeting date, time, location, and agenda: The LIWG plans to meet next on Friday, September 10, from 10:30 a.m. to 2:30 p.m. at DPR (Lower Level Conference Room) in Sacramento. Please use the 1116 9th Street entrance. Please contact me, or Jake Mackenzie at (707) 584-1195, if you have questions about this meeting summary.

Respectfully submitted,

(signed by)

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John Sanders, DPR

Member Distribution List:

Advocates for a Clean Environment/Lauren Sullivan

Air Resources Board/Lynn Baker

Assembly Member Maldonado's Office/Melanie Bedwell, Julia King

Celite Corporation/Chris Pauley

City of Lompoc/Dick DeWees, Stacy Lawson

Department of Health Services/Christine Arnesen, Martha Harnly, Rick Kreutzer, Sharon Seidel

Department of Pesticide Regulation/Madeline Brattesani, John Ross, Jay Schreider, Randy Segawa

Lompoc Growers/Richard Quandt

Lompoc Resident/Joyce Howerton, Dave Pierce

Office of Environmental Health Hazard Assessment/Richard Ames, Michael DiBartolomeis, Anna Fan, Joy Wisniewski

Santa Barbara County Agricultural Commissioner's Office/Joe Karl

Santa Barbara County Air Pollution Control District/Duane Sikorski

Santa Barbara County Health Care Services/Elliott Schulman

Santa Barbara County Supervisor Gray's Office/Susan Warnstrom

Santa Barbara County Supervisor Marshall's Office/John Buttny

Senator O'Connell's Office/Carla Frisk

UC Extension Agricultural Engineer/Bill Steinke

U.S. EPA, Headquarters/Jake Mackenzie

U.S. EPA, Region IX/Ray Chavira, Karen Heisler

Volunteer/Robert Holtzer (formerly with Office of Environmental Health Hazard Assessment as a Medical Officer)

Volunteers for a Healthy Valley/George Rauh